Author Index of Volume 59

Adriaensens, P., 171
Akuzawa, N., 191
Anglada, M.C., 181

Bethune, D.S., 279
Bidan, G., 81
Bouvier, J.M., 81
Bradley, D.D.C., 13
Brédas, J.L., 13
Brown, C.A., 279

Caifen, X., 243
Chalmers, G.R., 307
Chen, C.-Y., 235
Chevalier, R., 111
Choi, L.S., 59
Chorro, C., 141
Claret, J., 181
Cockayne, E., 369
Cohen, J.D., 37
Cox, D.M., 317
Creegan, K.M., 317
Crowder, M.S., 279

de Vries, M.S., 279
Dhawan, S.K., 267
Diederich, F., 307
Dormann, E., 71
Dorn, H.C., 279
Dupuis, M., 97

Elser, V., 369
Enkelmann, V., 71
Ennis, B.C., 387
Epstein, A.J., 123

Friend, R.H., 13

Geise, H.J., 171
Gelan, J., 171
Gmeiner, J., 71
Gonbeau, D., 141
Göpel, W., 211
Gorgues, A., 111
Graham, S.C., 13
Gruhn, N.E., 353

Haddon, R.C., 369
Heeger, A.J., 333
Hevesi, L., 201
Hoinkis, M., 279
Holczer, K., 307
Hone, D., 43
Hsu, C.-H., 37
Huang, S.-M., 307

Jedrzejewski, P., 279
Jeszka, J.K., 151
Johnson, R.D., 279
Józefowicz, M.E., 123

Kaner, R.B., 307
Kempa, A., 231
Khanous, A., 111
Kim, O.-K., 59
Koshechko, V.G., 273

Lachinov, A.N., 377
Ladik, J., 97
Lazarescu-Grigore, A., 201
Lefrant, S., 141
Lère-Porte, J.P., 141
Lhost, O., 13
Lichtenberger, D.L., 353
Louarn, G., 141
Lu, W., 235
Lyerla, J., 279

MacDiarmid, A.G., 123
Millar, J.M., 317
Mishchenko, N.M., 253
Morawski, A.W., 249
Müllen, K., 13

Naarmann, H., 211
Nguyen, D., 279
Nikolenko, Yu.M., 253
Nouwen, J., 171

Okada, M., 223
Otosaka, T., 191
Otto, P., 97

Paulussen, H., 171
Petrescu, C., 81
Petrissans, J., 141
Pfister-Guillouzo, G., 141
Pilliere, H., 191
Planche, M.F., 81
Pokhodenko, V.D., 273
Prato, M., 297
Proess, G., 201

Quattrocchi, C., 13

Radi, M., 141
Raible, C., 71
Rempe, M.E., 353
Ribó, J.M., 181
Rivoire, G., 111
Robbins, J.L., 317
Robbins, W.K., 317
Ruckenstein, E., 1

Salem, J.R., 279
Samdal, S., 259
Samuelsen, E.J., 259
Sariciftci, N.S., 333
Sauvajol, J.L., 141
Schenk, R., 13
Schmeisser, D., 211
Shaolin, M., 243
Sherwood, R.D., 317
Shioya, J., 29
Siemens, R.L., 279
Singh, C., 43
Smilowitz, L., 333
Stenger-Smith, J.D., 71
Sukuki, T., 297
Sylla, M., 111

Takahashi, Y., 191
Takata, A., 223
Tanaka, K., 223
Taylor, L., 279
Thiéblemont, J.C., 81
Tietz, R.F., 37
Tindall, P.J., 317
Titov, V.E., 273
Trivedi, D.C., 267
Truong, V.-T., 387
Tsai, T.E., 59

Vanderzande, D., 171
Verreyt, G., 171
Villar, H.O., 97
Volden, H.V., 259

Wei, Y., 235
Wendt, H.R., 279
Whetten, R.L., 307
Wiley, J.B., 307
Winter, H., 71
Woo, H.S., 13
Wright, L.L., 353
Wudl, F., 297, 333

Yamabe, T., 223
Yamaguchi, Y., 29
Yang, S., 1
Yang, Z., 171
Yannoni, C.S., 279
Yoneoka, T., 191
Yoon, T.H., 59
Yuan, C.-W., 235

Zaremba, J., 111
Zherebov, A.Yu., 377
Ziatdinov, A.M., 253
Zolotukhin, M.G., 377

Subject Index of Volume 59

Acetylenic analogues
third-order nonlinear optical susceptibility of acetylenic analogues of tetrathiafulvalene, 111
Ag–TCNQ complexes
approach to the synthesis of Ag–TCNQ complexes confined between layers of LB film, 235

(*trans*-1,2-Bis(2-naphthyl)ethene)SbF_6
magnetic properties of the new conducting radical cation salt (*trans*-1,2-bis(2-naphthyl)ethene)SbF_6, 71
Bithiophene
molecular conformation of 2,2′-bithiophene determined by gas phase electron diffraction and *ab initio* calculations, 259
Bonding
electronic structure and bonding of C_{60} to metals, 353

Caesium
oligomerization process during the intercalation of ethylene in CsC_{24}, 191
Calculations
molecular conformation of 2,2′-bithiophene determined by gas phase electron diffraction and *ab initio* calculations, 259
Catalysis
application of $CoCl_2$–K–graphite intercalation compounds in catalysis, 249
Chromatographic separations
chromatographic separations of fullerenes: discovery and characterization of C_{60} mono-epoxide, 317
Cobalt
application of $CoCl_2$–K–graphite intercalation compounds in catalysis, 249
Composites
processable conductive composites of polyaniline/poly(alkyl methacrylate) prepared via an emulsion method, 1
Conductivity
electrical conductivity of ladder-type polymeric transition-metal complexes derived from 2,5-diamino-1,4-benzenedithiol, 59
Conjugated polymers
random disorder and nonlinear susceptibility of conjugated polymers, 43

Defects
time dynamics of growth and decay of photoinduced defects in polyanilines, 123
2,5-Diamino-1,4-benzenedithiol
electrical conductivity of ladder-type polymeric transition-metal complexes derived from 2,5-diamino-1,4-benzenedithiol, 59
Dioxygen
interaction between oxidized polypyrroles and dissolved dioxygen, 181
Doping
ESR investigations of different forms of TTT-TCNQ CT complex in reticulate-doped polymer films, 151
characterization of fullerenes and doped fullerenes, 279

Electrical stability
thermal and electrical stability of polypyrrole at elevated temperatures, 387
Electromagnetic interference
shielding of electromagnetic interference using polyaniline, 267
Electronic phase
examination of electronic phase of the Hartree–Fock solution of an isolated polythiazyl chain, 223
Electronic structure
electronic structure of ladder polysilane and related compounds, 29
electronic structure and bonding of C_{60} to metals, 353
Electropolymerization
characterization from XPS, FT-IR and Raman spectroscopies of films of poly(*p*-phenylene) prepared by elec-

tropolymerization of benzene dissolved in ketyl pyridinium chloride–$AlCl_3$ melting salt, 141
Emulsion method
processable conductive composites of polyaniline/poly(alkyl methacrylate) prepared via an emulsion method, 1
Energy band structure
ab initio and electron correlation corrected energy band structure of polymeric five-membered heterocycles, 97
Ethylene
oligomerization process during the intercalation of ethylene in CsC_{24}, 191
Excitations
optical spectra and excitations in phenylene vinylene oligomers, 13

Fibres
polyaniline spinning solutions and fibers, 37
Film
approach to the synthesis of Ag–TCNQ complexes confined between layers of LB film, 235
Films
stability of chemically synthesized polypyrrole films, 81
characterization from XPS, FT-IR and Raman spectroscopies of films of poly(*p*-phenylene) prepared by electropolymerization of benzene dissolved in ketyl pyridinium chloride–$AlCl_3$ melting salt, 141
ESR investigations of different forms of TTT-TCNQ CT complex in reticulate-doped polymer films, 151
the two-dimensional structure of polypyrrole films, 211
thermostimulated switching in thin polymer films, 377
Fullerenes
characterization of fullerenes and doped fullerenes, 279
probing the properties of C_{60} through fulleroids ABC_{61}, 297
phases, kinetics and structure of alkali–C_{60} compounds: preparation of Rb_3– and $(Rb_{3-x}K_x)$–C_{60} superconductors, 307
chromatographic separations of fullerenes: discovery and characterization of C_{60} mono-epoxide, 317
semiconducting polymers (as donors) and buckminsterfullerene (as acceptor): photoinduced electron transfer and heterojunction devices, 333
electronic structure and bonding of C_{60} to metals, 353
calculated magnetic susceptibilities of C_{60}, C_{70} and C_{84} and their anions, 369
Fulleroids ABC_{61}
probing the properties of C_{60} through fulleroids ABC_{61}, 297

Gas phase electron diffraction
molecular conformation of 2,2′-bithiophene determined by gas phase electron diffraction and *ab initio* calculations, 259
GICs
oligomerization process during the intercalation of ethylene in CsC_{24}, 191
application of $CoCl_2$–K–graphite intercalation compounds in catalysis, 249
phase transitions and incommensurate states in GIC $C_{5n}HNO_3$, 253

Hartree–Fock solution
examination of electronic phase of the Hartree–Fock solution of an isolated polythiazyl chain, 223
Heterojunction devices
semiconducting polymers (as donors) and buckminsterfullerene (as acceptor): photoinduced electron transfer and heterojunction devices, 333

Incommensurate states
phase transitions and incommensurate states in GIC $C_{5n}HNO_3$, 253
Intercalation
oligomerization process during the intercalation of ethylene in CsC_{24}, 191
Iodine
iodinated substituted phthalocyanines, 231

Ketyl pyridinium chloride–$AlCl_3$ melting salt
characterization from XPS, FT-IR and Raman spectroscopies of films of poly(*p*-phenylene) prepared by electropolymerization of benzene dissolved in ketyl pyridinium chloride–$AlCl_3$ melting salt, 141

Ladder polysilane
electronic structure of ladder polysilane and related compounds, 29
LB film
approach to the synthesis of Ag–TCNQ complexes confined between layers of LB film, 235

Magnetic properties
magnetic properties of the new conducting radical cation salt (*trans*-1,2-bis(2-naphthyl)ethene)SbF_6, 71
Magnetic susceptibilities
calculated magnetic susceptibilities of C_{60}, C_{70} and C_{84} and their anions, 369
Miscibility
miscibility of poly(*para*-phenylene vinylene) model compounds with polycarbonate studied by solid-state NMR, 171
Molecular conformations
molecular conformation of 2,2′-bithiophene determined by gas phase electron diffraction and *ab initio* calculations, 259

Oligomerization
oligomerization process during the intercalation of ethylene in CsC_{24}, 191
Optical susceptibility
third-order nonlinear optical susceptibility of acetylenic analogues of tetrathiafulvalene, 111

Phase transitions
phase transitions and incommensurate states in GIC $C_{5n}HNO_3$, 253
Phenylacetylene
polymerization of pyrrole and phenylacetylene under the action of stable radical ions, 273
Phenylene vinylene oligomers
optical spectra and excitations in phenylene vinylene oligomers, 13
Photoelectrochemical behaviour
the photoelectrochemical behaviour of poly(*o*-methylaniline), 243
Photoinduced electron transfer
semiconducting polymers (as donors) and buckminsterfullerene (as acceptor): photoinduced electron transfer and heterojunction devices, 333
Phthalocyanines
iodinated substituted phthalocyanines, 231
Poly-2(5)-propenylidenepyrrole
synthesis and partial characterization of a new low gap polymer: poly-2(5)-propenylidenepyrrole, 201
Poly(alkyl methacrylate)
processable conductive composites of polyaniline/poly(alkyl methacrylate) prepared via an emulsion method, 1
Polyaniline
processable conductive composites of polyaniline/poly(alkyl methacrylate) prepared via an emulsion method, 1
polyaniline spinning solutions and fibers, 37
shielding of electromagnetic interference using polyaniline, 267
Polyanilines
time dynamics of growth and decay of photoinduced defects in polyanilines, 123
Polycarbonate
miscibility of poly(*para*-phenylene vinylene) model compounds with polycarbonate studied by solid-state NMR, 171
Polymeric five-membered heterocycles
ab initio and electron correlation corrected energy band structure of polymeric five-membered heterocycles, 97
Polymerization
polymerization of pyrrole and phenylacetylene under the action of stable radical ions, 273
Poly(*o*-methylaniline)
the photoelectrochemical behaviour of poly(*o*-methylaniline), 243
Poly(*p*-phenylene)
characterization from XPS, FT-IR and Raman spectroscopies of films of poly(*p*-phenylene) prepared by electropolymerization of benzene dissolved in ketyl pyridinium chloride–$AlCl_3$ melting salt, 141
Poly(*para*-phenylene vinylene)
miscibility of poly(*para*-phenylene vinylene) model compounds with polycarbonate studied by solid-state NMR, 171
Polypyrroles
stability of chemically synthesized polypyrrole films, 81

interaction between oxidized polypyrroles and dissolved dioxygen, 181
the two-dimensional structure of polypyrrole films, 211
thermal and electrical stability of polypyrrole at elevated temperatures, 387
Polysilane
electronic structure of ladder polysilane and related compounds, 29
Polythiazyl chain
examination of electronic phase of the Hartree–Fock solution of an isolated polythiazyl chain, 223
Potassium
phases, kinetics and structure of alkali–C_{60} compounds: preparation of Rb_3– and $(Rb_{3-x}K_x)$–C_{60} superconductors, 307
Probing
probing the properties of C_{60} through fulleroids ABC_{61}, 297
Pyrrole
polymerization of pyrrole and phenylacetylene under the action of stable radical ions, 273

Random disorder
random disorder and nonlinear susceptibility of conjugated polymers, 43
Rubidium
phases, kinetics and structure of alkali–C_{60} compounds: preparation of Rb_3– and $(Rb_{3-x}K_x)$–C_{60} superconductors, 307

Semiconductors
semiconducting polymers (as donors) and buckminsterfullerene (as acceptor): photoinduced electron transfer and heterojunction devices, 333
Shielding
shielding of electromagnetic interference using polyaniline, 267
Spectroscopy
optical spectra and excitations in phenylene vinylene oligomers, 13
characterization from XPS, FT-IR and Raman spectroscopies of films of poly(*p*-phenylene) prepared by electropolymerization of benzene dissolved in ketyl pyridinium chloride–$AlCl_3$ melting salt, 141
ESR investigations of different forms of TTT-TCNQ CT complex in reticulate-doped polymer films, 151
miscibility of poly(*para*-phenylene vinylene) model compounds with polycarbonate studied by solid-state NMR, 171
Spinning solutions
polyaniline spinning solutions and fibers, 37
Stability
stability of chemically synthesized polypyrrole films, 81
Structure
the two-dimensional structure of polypyrrole films, 211
Superconductors
phases, kinetics and structure of alkali–C_{60} compounds: preparation of Rb_3– and $(Rb_{3-x}K_x)$–C_{60} superconductors, 307
Susceptibility
random disorder and nonlinear susceptibility of conjugated polymers, 43
Synthesis
synthesis and partial characterization of a new low gap polymer: poly-2(5)-propenylidenepyrrole, 201
approach to the synthesis of Ag–TCNQ complexes confined between layers of LB film, 235

Tetrathiafulvalene
third-order nonlinear optical susceptibility of acetylenic analogues of tetrathiafulvalene, 111
Thermal stability
thermal and electrical stability of polypyrrole at elevated temperatures, 387
Thermostimulated switching
thermostimulated switching in thin polymer films, 377
Time dynamics
time dynamics of growth and decay of photoinduced defects in polyanilines, 123
Transition-metal complexes
electrical conductivity of ladder-type polymeric transition-metal complexes derived from 2,5-diamino-1,4-benzenedithiol, 59
TTT-TCNQ
ESR investigations of different forms of TTT-TCNQ CT complex in reticulate-doped polymer films, 151